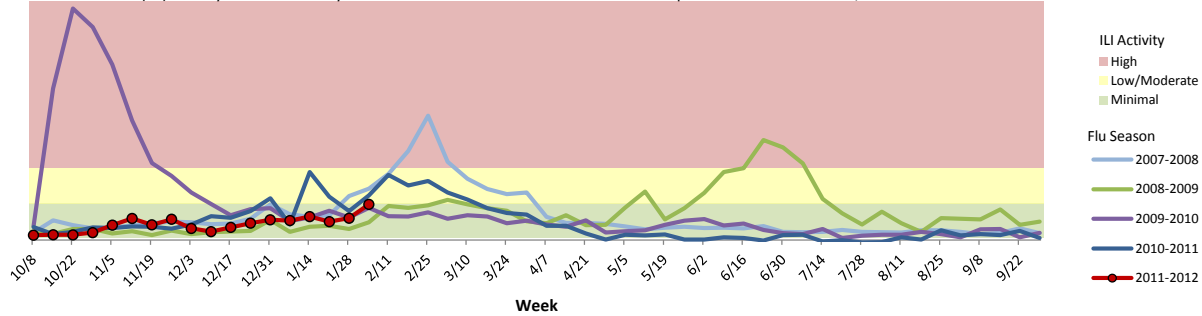


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



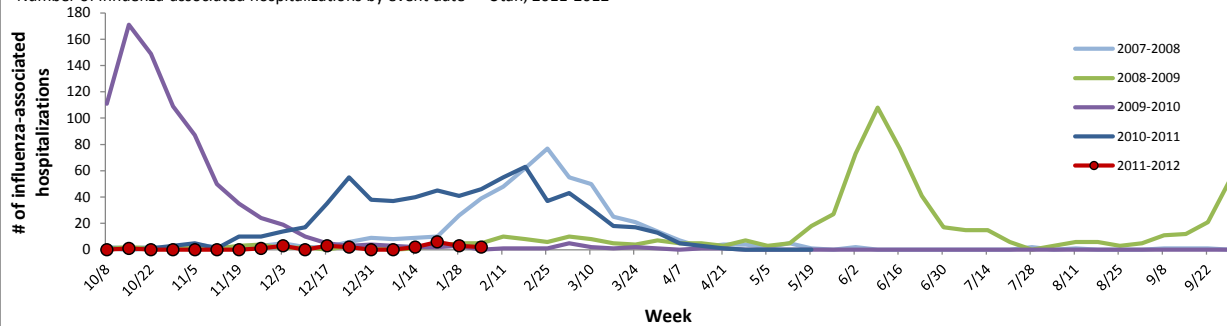
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Low/Moderate
Salt Lake	Low/Moderate
Southwest	Minimal
Summit	Minimal
Tooele	Minimal
TriCounty	No Data
Utah	Low/Moderate
Wasatch	Minimal
Weber-Morgan	Minimal
State	Low/Moderate

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	12	52.2%	50.3%	0.8575
	Female	11	47.8%	49.7%	0.8575
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	18	78.3%	82.0%	0.6369
	Hispanic	2	8.7%	11.6%	0.6648
	Native Hawaiian/Pacific Islander	0	0.0%	0.7%	0.6922
	Black/African American	2	8.7%	0.9%	0.0001
	American Indian	0	0.0%	1.1%	0.6078
	Asian	1	4.3%	1.9%	0.3800
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	4	17.4%	1.5	0
5-24 years	3	13.0%	0.3	1
25-49 years	5	21.7%	0.5	1
50-64 years	7	30.4%	1.7	0
65+ years	4	17.4%	1.6	0
Total	23	100%	0.8	2

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	0
Central	1
Davis	1
Salt Lake	16
Southeastern	0
Southwest	0
Summit	1
Tooele	0
TriCounty	0
Utah	2
Wasatch	0
Weber-Morgan	2

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	8	34.8%	13	56.5%	2	8.7%
Ventilator	2	8.7%	18	78.3%	3	13.0%
Died	2	8.7%	18	78.3%	3	13.0%
Neurological Symptoms	2	8.7%	20	87.0%	1	4.3%
Healthcare Worker	1	4.3%	20	87.0%	2	8.7%
Pregnant	0	0.0%	23	100.0%	0	0.0%
Heart Disorder	4	17.4%	17	73.9%	2	8.7%
Blood Disorder	1	4.3%	20	87.0%	2	8.7%
Kidney Disorder	2	8.7%	20	87.0%	1	4.3%
Metabolic Disorder	4	17.4%	18	78.3%	1	4.3%
Chronic Respiratory Disorder	10	43.5%	11	47.8%	2	8.7%
Immunosuppressed	4	17.4%	18	78.3%	1	4.3%
Neurological Disorder	2	8.7%	20	87.0%	1	4.3%
Seizure Disorder	0	0.0%	22	95.7%	1	4.3%
Bacterial Co-infection	2	8.7%	20	87.0%	1	4.3%
Obese**	5	27.8%	8	44.4%	5	27.8%
Morbidly Obese**	1	5.6%	12	66.7%	5	27.8%
Risk Factor***	18	78.3%	5	21.7%	0	0.0%
Vaccinated	11	47.8%	8	34.8%	4	17.4%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	2	100.0%	20	87.0%
Probable**	0	0.0%	3	13.0%
Total	2	100.0%	23	100.0%

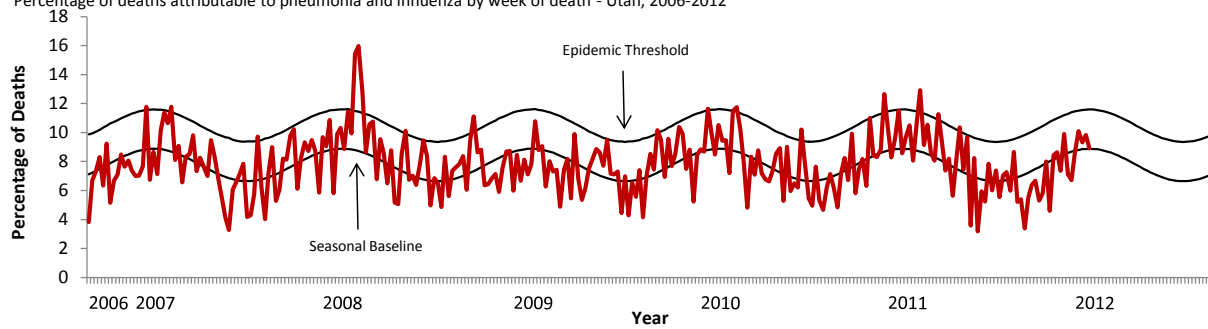
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

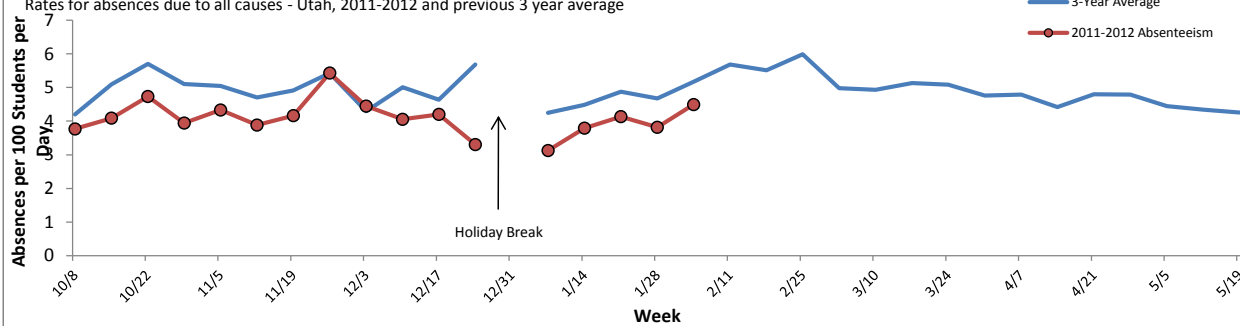
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	3.6
Central	3.5
Davis	4.0
Salt Lake	4.0
Southeast	5.8
Southwest	5.0
Summit	6.7
Tooele	6.3
TriCounty	5.0
Utah	2.7
Wasatch	4.6
Weber-Morgan	5.7
State	4.5

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	255	--	36	--
Positive specimens	56	22.0%	23	63.9%
Positive Specimens by Type/Subtype				
Influenza A	51	91.1%	23	100.0%
A (2009 H1N1)	29	56.9%	20	87.0%
A (H1)	0	0.0%	0	0.0%
A (H3)	22	43.1%	3	13.0%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	5	8.9%	0	0.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

